

## ABSTRACT

An Enterprise Architecture Evaluation of E-Government Progress:

Afghanistan as a Case Study

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Master's Thesis

The purpose of this study is to analyze the current governance system and state of Afghanistan's Information Communication Technology (ICT) sector in the context of existing problems that hinder the implementation and deployment of e-government (electronic government) solutions. In particular, it considers the challenges Afghanistan faces in terms of deploying the tools of Enterprise Architecture (EA). A study-specific definition and overview for EA is provided, and the closely related question of Enterprise Architecture Frameworks (EAFs) are discussed. Issues from managerial, communication, and related areas arising from the use of this technique are then presented. A case study of EA in Afghanistan is then used, beginning with a background and then an in-depth overview of e-government projects, to craft a set of questions and considerations for responsible institutions, lawmakers, and policy authors.

This study has already been finalized, and its result will be presented at Valparaíso University's Graduate Academic Symposium 2020. EA is one of the most important and debatable topics in the IT world, and it is an urgent need in developing countries such as Afghanistan. The discussion of EA thus far has focused on how it is used in both large private and public organizations. In order to take the discussion toward the public use of EA on the national level in the country of Afghanistan, a focus on the use of EA in e-government efforts is introduced. Besides the successful implementation of e-government projects in Afghanistan, this

study also discusses the reasons some projects have failed. This study can help the Afghan government to realize the importance of e-government projects in National Development and support the Ministry of Communication and Information Technology (MCIT) in e-government development and delivery of e-services.

*Keywords:* Enterprise Architecture, Enterprise Architecture Framework, Afghanistan, E-Government, IT, ICT.